

# **RTI F.0 Distribution & Support**

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# RTI F.0 Distribution

## %o RTI F.0

- , Shipped December 16, 1996
- , Sun Solaris 2.5 C++ libraries

## %o 3 Step process

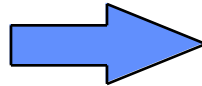
- , Order RTI via WWW
- , Download RTI
- , Run Installation Program
  - ♦ Self Extracting Application
  - ♦ Automatically configures environment for users

# RTI F.0 Order Form (1)

‰F.0 Order form contains:

## Contact information

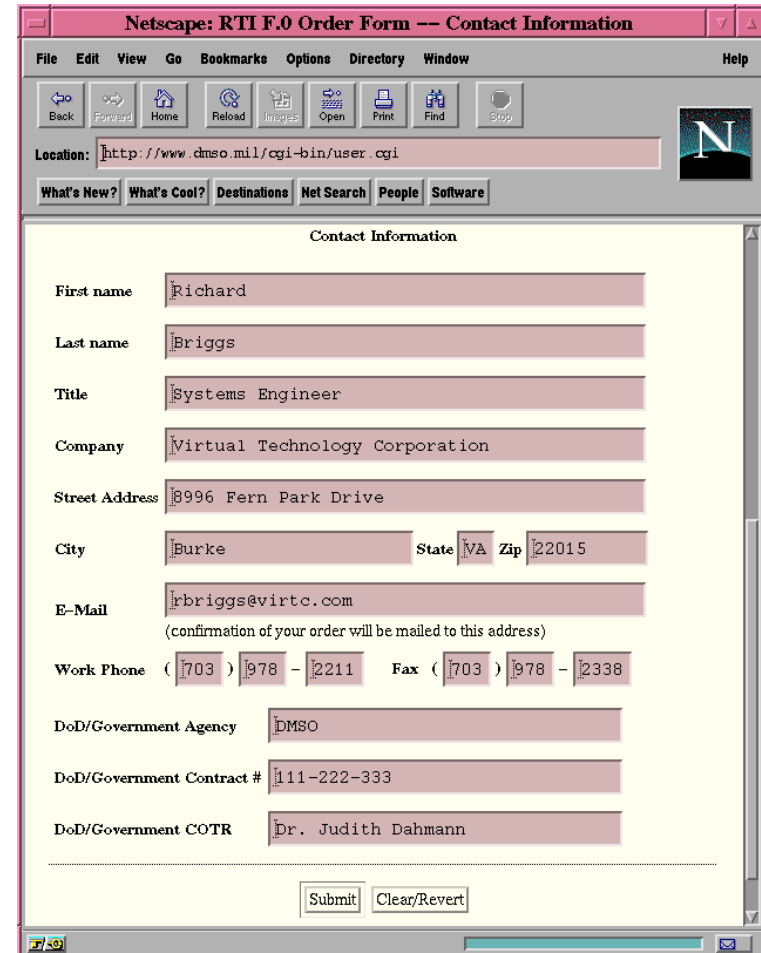
- Name
- Company
- Address
- E-mail (order confirmation automatically sent here)
- DoD Affiliation



## Platform Order

## User Requirements Survey

[www.dms0.mil/cgi-bin/user.cgi](http://www.dms0.mil/cgi-bin/user.cgi)



Netscape: RTI F.0 Order Form -- Contact Information

File Edit View Go Bookmarks Options Directory Window Help

Back Forward Home Reload Images Open Print Find Stop

Location: <http://www.dms0.mil/cgi-bin/user.cgi>

What's New? What's Cool? Destinations Net Search People Software

Contact Information

First name

Last name

Title

Company

Street Address

City  State  Zip

E-Mail   
(confirmation of your order will be mailed to this address)

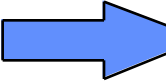
Work Phone (  )  -  Fax (  )  -

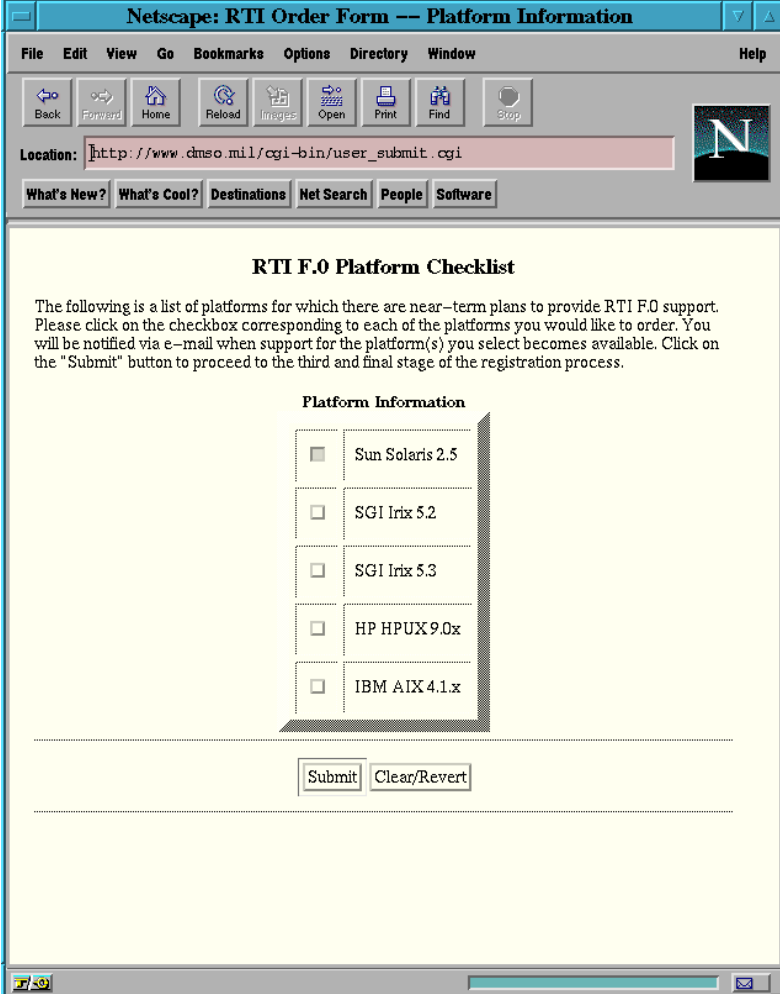
DoD/Government Agency

DoD/Government Contract #

DoD/Government COTR

# RTI F.0 Order Form (2)

- F.0 Order form contains:
  - Contact information
  - **Platform Order** 
  - Sun
  - RTI Friends extensions
    - SGI
    - HP
    - IBM
  - User Requirements Survey



The screenshot shows a Netscape browser window titled "Netscape: RTI Order Form -- Platform Information". The address bar displays "http://www.dmsc.mil/cgi-bin/user\_submit.cgi". The browser's menu bar includes File, Edit, View, Go, Bookmarks, Options, Directory, Window, and Help. The toolbar contains buttons for Back, Forward, Home, Reload, Images, Open, Print, Find, and Stop. Below the toolbar are tabs for "What's New?", "What's Cool?", "Destinations", "Net Search", "People", and "Software".

The main content area is titled "RTI F.0 Platform Checklist". It contains the following text:

The following is a list of platforms for which there are near-term plans to provide RTI F.0 support. Please click on the checkbox corresponding to each of the platforms you would like to order. You will be notified via e-mail when support for the platform(s) you select becomes available. Click on the "Submit" button to proceed to the third and final stage of the registration process.

Below the text is a section titled "Platform Information" containing a table of platforms with checkboxes:

Platform Information	
<input type="checkbox"/>	Sun Solaris 2.5
<input type="checkbox"/>	SGI Irix 5.2
<input type="checkbox"/>	SGI Irix 5.3
<input type="checkbox"/>	HP HP-UX 9.0x
<input type="checkbox"/>	IBM AIX 4.1.x

At the bottom of the form are two buttons: "Submit" and "Clear/Revert".

# RTI F.0 Order Form (3)

- F.0 Order form contains:
  - Contact information
  - Platform Order
  - **User Requirements Survey** →
    - Provide more detailed information to DMSO about user configurations
    - Allows specification of platform, OS, compilers, network infrastructures, and free form comments.

**RTI F.0 User Requirements Survey**

This form allows you to provide more detailed information about all the hardware and software configurations on which you intend to run the RTI or would like to be able to run the RTI. This form is optional and you may skip over it and submit your registration by pressing the "Submit" button at the bottom of the page. However, the information collected through the registration process will help shape the priorities of the RTI development and testing efforts, so filling out this form as completely as possible will ensure the best possible support for your computing environments.

Please check each of the hardware platforms, operating systems, and compilers that you use or plan to use. Use the "model" and "memory" fields to provide specified information about the types of machines you're using, e.g., "UltraSparcs/32-96megs." Provide the compiler versions if possible, and be sure to fill in the explanatory text-entry box corresponding to every "Other" you've checked.

Hardware/Operating System Wish List			
Platform	Specs	OS	Compilers/Versions:
<input type="checkbox"/> Sun	Model: [text box] Memory: [text box]	<input type="checkbox"/> Solaris 1.x <input type="checkbox"/> Solaris 2.4 <input type="checkbox"/> Solaris 2.5 <input type="checkbox"/> Linux <input type="checkbox"/> Other [text box]	<input type="checkbox"/> SparcWorks [text box] <input type="checkbox"/> CenterLine [text box] <input type="checkbox"/> GNU [text box] <input type="checkbox"/> Other [text box]
		<input type="checkbox"/> Irix 5.x [text box]	

**Network Information**

Please indicate the networking environments currently in use at your location (check all that apply.)

☐ ATM ☐ EtherNet ☐ Fast EtherNet ☐ DSI ☐ Other [text box]

**Additional Information**

Please enter any additional comments in the space below.

[Large text box for comments]

# Distribution Contents

%o **Installation Guide**

%o **Programmer's Guide**

%o **RTI Software Components**

%o **Sample Applications**

, **HelloWorld**

, **Jager**

, **TestFederate**

# Installation Guide

## %o Installation Guide

- , System Requirements
- , Installing Procedure
  - Obtaining the RTI (Ordering & Download)
  - Preparing Information for Installation
  - Installing the Distribution
  - Configuring the Environment
  - Compiling Applications with tehe RTI
- , Testing the Configuration
- , Trouble Shooting
- , Contacting Technical Support

# **Programmer's Guide**

**%o Overview of Common Technical Framework**

**%o RTI F.0 System Architecture Description**

**%o HLA Service to C++ Mapping**

- , Detailed information on each RTIambassador and FederateAmbassador method (~120 pages)**

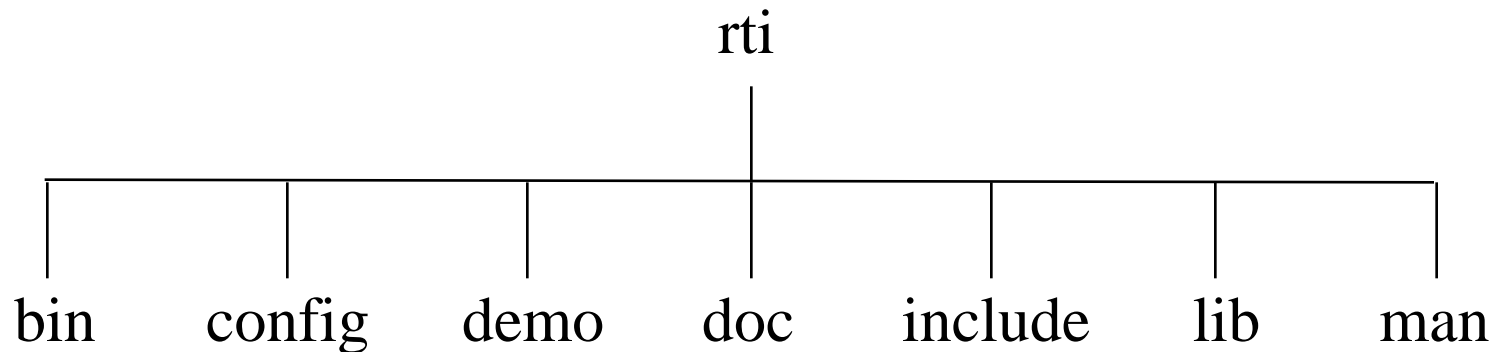
**%o Programming with the RTI**

- , HelloWorld tutorial**
- , Jager tutorial**

**%o Troubleshooting**



# RTI Software Components



%o **bin:** Contains rtiexec and fedex process

%o **config:** Contains RTI F.0 RID file and all demo application FED files

%o **demo:** Contains all demo applications

%o **doc:** Contains programmers and install guide

%o **include:** Contains RTI header files

%o **lib:** Contains RTI libraries

%o **man:** Contains manual pages for all RTI methods

# Hello World Sample Federate

- %o Text based federate that simulates an increase in a country's population**
- %o Simple to run with very little environment dependencies**
- %o Good test program for debugging configuration and install errors**
- %o Future extensions are planned to provide:**
  - , Example of various Time Management Schemes**
  - , Use of Ownership Management**

# JAGER

%% **Multiuser distributed game to exercise/demonstrate RTI services**

%% **Development**

- , **OOA/D**

- , **Exercise all services except ownership management (Is being extended to exercise all F.0 Supported services)**

%% **Tutorial**

- , **Interactive WWW tutorial (walking through use of RTI)**

- , **Tutorial flow is based on the FEDEP model**

- **FedEx Sponsor -> Objectives -> Scenario Dev. & Conceptual Analysis -> Federation Design -> Fed. Development -> HLA FOM**

# JAGER Federate

- ‰ Interactive space combat game - has been run with up to 18 players
- ‰ Exercise RTI to assure correct Installation and Configuration of user environment
- ‰ Easy and Fun example program utilizing all HLA RTI services except Ownership Management

